

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

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PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY  
(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference  
see form PCT/ISA/220

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/B2005/000404

International filing date (day/month/year)  
17.02.2005

Priority date (day/month/year)  
19.02.2004

International Patent Classification (IPC) or both national classification and IPC  
B05B7/02, B05B12/08, F16K1/08

Applicant  
ITW LIMITED

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1b(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/IB2005/000404

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**Box No. I Basis of the opinion**

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1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
  - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material:
    - ☐ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material:
    - ☐ in written format
    - ☐ in computer readable form
  - c. time of filing/furnishing:
    - ☐ contained in the international application as filed.
    - ☐ filed together with the international application in computer readable form.
    - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/B2005/000404

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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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**1. Statement**

Novelty (N)	Yes: Claims	3-16
	No: Claims	1-2,17-33
Inventive step (IS)	Yes: Claims	3-16
	No: Claims	1-2,17-33
Industrial applicability (IA)	Yes: Claims	1-33
	No: Claims	

**2. Citations and explanations**

**see separate sheet**

**Re Item V.**

**1 Reference is made to the following documents:**

- D1: EP-A-1 247 586 (ANEST IWATA EUROPE SRL) 9 October 2002 (2002-10-09)  
D2: [Online] XP002330271 Retrieved from the Internet:  
URL: [http://www.chpower.com/printedcatalog/200403/Accessories%201\\_03.pdf](http://www.chpower.com/printedcatalog/200403/Accessories%201_03.pdf)  
[retrieved on 2003-01-24]  
D3: FR 960 437 A (SOCIETE DE ROBINETTERIE S.A.J.) 18 April 1950 (1950-04-18)  
D4: FR 836 968 A (KLEIN, SCHANZLIN & BECKER AKTIENGESellschaft) 31 January 1939 (1939-01-31)

**2 INDEPENDENT CLAIM 1**

- 2.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

Document D1 discloses (the references in parentheses applying to this document):

A pressure monitoring device (Fig: 1; 11) for a paint spray gun the pressure monitoring device comprising; a housing (Fig: 2; 6) having an air inlet (Fig: 2; 5), an air outlet (Fig: 4; 19) and an air passage (Fig: 10 and 12; 2') connecting the inlet and the outlet; means (Fig: 2; 5) for coupling the air inlet with an outlet of a compressed air supply and means (Fig: 2; 13, 12; and Fig: 4-5; 15-20) for coupling the air outlet with an air inlet of a paint spray gun (Fig: 2-5; 2); a digital pressure gauge (Fig: 2; 11; and Paragraph: 21) housed in the housing and positioned to monitor pressure at a pressure take off point in the air passage (Fig: 10, 12; 3', 12"); a valve (Fig: 2; 10; and Fig: 10, 12; 3') housed in the housing and operable to adjust air flow in the air passage; valve adjustment means (Fig: 2; 10) associated with the valve and accessible externally of the housing; *wherein the air inlet, air outlet and air passage are shaped and the valve is positioned so as to provide minimal turbulence of air flow and minimal pressure drop through the device* and the pressure take off point is downstream

of the valve (Fig: 10, 12; 12', 3').

**3 INDEPENDENT CLAIM 25**

- 3.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 25 is not new in the sense of Article 33(2) PCT.

Document D1 discloses (the references in parentheses applying to this document):

A paint spray gun (Fig: 1 and 2) having coupled to its air inlet, a pressure monitoring device as claimed in any of claims 1 to 24.

**4 INDEPENDENT CLAIM 26**

- 4.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 26 is not new in the sense of Article 33(2) PCT.

Document D3 discloses (the references in parentheses applying to this document):

A gas flow passage (Fig: 2) comprising a pair of cavities (Fig: 2; a+e, b+f), each cavity having a substantially circular cross sectioned portion adjacent the entry (Fig: 2; e) of the inlet and exit of the outlet (Fig: 2; f) of the passage and a substantially segmental cross sectioned portion (Fig: 2; a, b), the substantially circular and segmental cross-sectioned portions being separated by a tapered section (Fig: 2; g, h) tapering from the circumference of the circular cross sectioned portion to the chord (Fig: 2; c) of the segmental cross sectioned portion, the cavities being joined by a bore (Fig: 2; c) passing through each of the segmental cross sectioned portions.

- 4.2 Please note that: also D4 discloses all the features of independent claim 26

**5 INDEPENDENT CLAIMS 24 and 33**

Claims 24 and 33 rely for their features on the description and on the drawings,

therefore are not permitted (Rule 6.2(a) PCT).

**6 DEPENDENT CLAIMS 2, 17-23, 27-32**

Dependent claims 2, 17-23, 27-32 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT); see documents D1-D4, and the text/figures indicated in the search report.

**7 DEPENDENT CLAIMS 3-16**

The combination of the features of dependent claims 3-16 are neither known from, nor rendered obvious by, the available prior art.

**8 INDUSTRIAL APPLICABILITY**

Claim 1-33 have industrial applicability in pressure measuring devices.